



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

**UL LLC**

1075 WEST LAMBERT ROAD, UNIT B  
BREA, CALIFORNIA 92821, U.S.A.

**Testing Laboratory TL-539**

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories* and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date December 21, 2023



A handwritten signature in black ink, reading "Raj Nathan".

**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

**UL LLC**

[www.ul.com](http://www.ul.com)

**Contact Name** Jesse Reyna

**Contact Phone** +1-714-223-3679

*Accredited to ISO/IEC 17025:2017*

*Effective Date December 21, 2023*

<b>Electrical</b>	
ANSI/AAMI ES 60601-1	Medical electrical equipment - part 1: general requirements for basic safety and essential performance
ANSI/AAMI HA60601-1-11	Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment
ANSI/APSP/ICC-14 2014	American National Standard for Portable Electric Spa Energy Efficiency
IEC 60601-1	Medical electrical equipment - part 1: general requirements for basic safety and essential performance
IEC 60601-1-4	Medical Electrical Equipment - Part 1-4: General Requirements for Safety - Collateral Standard: Programmable Electrical Medical Systems
IEC 60601-1-6	Medical electrical equipment – Part 1-6: General requirements for basic safety and essential performance – Collateral standard: Usability
IEC 60601-1-11	Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment
IEC 60601-2-10	Medical electrical equipment – Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators
IEC 60601-2-18	Medical electrical equipment - Part 2-18: Particular requirements for the basic safety and essential performance of endoscopic equipment
IEC 60601-2-41	Medical electrical equipment – Part 2-41: Particular requirements for the basic safety and essential performance of surgical luminaires and luminaires for diagnosis
IEC 60601-2-49	Medical electrical equipment – Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment
IEC 60601-2-57	Medical electrical equipment – Part 2-57: Particular requirements for the basic safety and essential performance of non-laser light source equipment intended for therapeutic, diagnostic, monitoring and cosmetic/aesthetic use
IEC 80601-2-60	Medical electrical equipment – Part 2-60: Particular requirements for basic safety and essential performance of dental equipment
IEC 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

IEC 61010-1 Edition 3.1 2017-01	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
IEC 61010-2-010	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-010: Particular requirements for laboratory equipment for the heating of materials
IEC 61010-2-20	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges
IEC 61010-2-30	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits (excluding 14.101)
IEC 61010-2-33	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-033: Particular requirements for HAND-HELD MULTIMETERS and other METERS, for domestic and professional use, capable of measuring MAINS voltage (excluding 14.101)
IEC 61010-2-51	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-051: Particular requirements for laboratory equipment for mixing and stirring
IEC 61010-2-081	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes
IEC 61010-2-101	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment
IEC 62471 (2002)	Photobiological safety of lamps and lamp systems
IEC TR 62778 ED. 2.0 EN:2014	Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
ISO 80601-2-74	Medical electrical equipment – Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment. Exclusion – Cl. 201.11.7 – Biocompatibility of ME Equipment and ME Systems
UL 153	Portable Electric Luminaires
UL 778	Motor-Operated Water Pumps
UL 879	Electric Sign Components
UL 879A	LED Sign and Sign Retrofit Kits
UL 935	Fluorescent-Lamp Ballasts
UL 1081	Swimming Pool Pumps, Filters, and Chlorinators
UL 1563	Electric Spas, Equipment Assemblies, and Associated Equipment
UL 1574	Track Lighting Systems
UL 1598	Luminaires
UL 1598B	Supplemental Requirements for Luminaire Reflector Kits for Installation on Previously Installed Fluorescent Luminaires

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

UL 1598C	Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits
UL 1838	Low Voltage Landscape Lighting Systems
UL 1993	Self-Ballasted Lamps and Lamp Adapters
UL 2108	Low Voltage Lighting Systems
UL 8750	Light Emitting Diode (LED) Equipment for Use in Lighting Products
UL 8800	Standard for Horticultural Lighting Equipment and Systems